

CARD DISPLAY PACKAGE

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation-in-part of U.S. Serial No.

B' > 08/497,186, filed June 30, 1995, entitled INFORMATION CARD PACKAGE.

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STATEMENT REGARDING FEDERALLY SPONSORED
RESEARCH OR DEVELOPMENT

Not applicable.

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BACKGROUND OF THE INVENTION

1. Field of the Invention.

The present invention relates generally to packaging, and more particularly, but not by way of limitation, to an improved card display package and method of manufacturing same.

15 2. Description of Related Art.

Membership or identification cards distributed by businesses and organizations are typically forwarded to individuals by mailing the cards to the individual after the cards have been prepared. These cards are often used to provide authorization for the rental 20 or purchase of goods and services or used as a gift certificate by granting the holder credit for various goods and services. It is common practice to forward such cards to customers in the mail by attaching the cards to a sheet of material, known as a carrier, and inserting the carrier and attached card into an envelope.

25 The carrier functions to hold the card within the envelope and provides a space for displaying additional information, such as a customer's name and address, company logos, instructions for the

use of the card and promotional information related to the establishment distributing the card. The use of a carrier requires a multiple step process to prepare the card and carrier for mailing. First, the card is provided with certain non-variable 5 information such as company logos, instructions, and promotional information. The card is also provided with certain unique customer information such as a customer's name and address or other personal information.

The carrier is prepared by cutting the carrier to the 10 designated size, typically letter size, and then providing the carrier with the variable data which will include the customer's name and mailing address, possibly instructions for the use of the card and promotional information related to the establishment distributing the card. The carrier must then be correctly matched 15 with the corresponding card which has been separately prepared. Once the carrier and the card are correctly matched, the card is attached to the carrier normally with an adhesive or by inserting the card into a plurality of slits formed in the carrier. The card and carrier are then inserted into an envelope which is sealed and 20 mailed or otherwise delivered to the customer.

In many instances, it is necessary to attach a second card to the carrier. This requires the preparation of another card, matching the second card with the carrier and attaching the second card to the carrier. Furthermore, the weight of the contents in 25 the envelope are increased and thus the mailing costs are increased.

As a result of the complexity and relatively high cost of preparing and delivering an identification card or membership card to a customer, a need exists for an improved card package that is durable and easy to handle and a method of preparing the card 5 package for delivering the card to a customer which requires fewer production steps and results in reduced material and mailing costs.

In addition to or in lieu of mailing cards to customers, the purchase and usage of debit cards has continued to increase in recent years to the point that the sale of debit cards today is a 10 multi-billion dollar industry. Often debit cards are printed and issued with a predetermined balance and typically sold as a retail item. An example of such a card is a prepaid calling card which provides an individual with a set dollar amount of long distance telephone calls. The account is accessed and debited by using an 15 account number provided on the calling card.

A problem experienced in the sale of such debit cards is that merchants buying these cards are subsequently more exposed to loss through shrinkage and theft. In addition, the merchant must maintain inventory stock of different values of these debit cards 20 well in advance of when the debit cards are actually sold as a retail item, thus restricting working capital.

With these problems in mind, merchants have begun to display non-activated (zero balance) debit cards whereby the merchant no longer has a large initial expenditure since the non-activated 25 debit cards have no initial intrinsic value, and thus, theft is no longer a concern since the non-activated debit cards have very

little value. Upon purchase of the debit card, the merchant encodes the debit card with a balance representing an amount a consumer wishes to attribute to the debit card.

In light of the fact that the consumer must have the card
5 encoded after the card is purchased, it is desirable to the merchant to be able to encode the card without having to first remove the card from packaging in which the card is displayed. It is to such an improved card package that the present invention is directed.

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BRIEF SUMMARY OF THE INVENTION

In one aspect, the present invention is directed to a card display package which includes a card carrier constructed of a synthetic sheet of paper laminated with a plastic material. The card package further includes a card constructed of the synthetic
15 sheet of paper and laminated with the plastic material and having at least a portion of the card projecting from the card carrier. The card is integrally formed with and selectively detachable from the card carrier and is provided with an encodable magnetic strip extending transversely across the portion of the card projecting
20 from the card carrier whereby the card may be swiped through an encoding device without removing the card from the card carrier.

In another aspect, the present invention is directed to a method of manufacturing a card display package. The method includes the steps of (1) laminating a sheet of material with a plastic material; (2) cutting the laminated sheet of material to a predetermined size and shape; (3) perforating the laminated sheet
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of material so as to define a card carrier and a card wherein the card remains integrally formed with the card carrier while being selectively detachable therefrom and at least a portion of the card projects from the card carrier; and (4) disposing an encodable 5 magnetic strip transversely across the portion of the card projecting from the card carrier whereby the card may be swiped through an encoding device without removing the card from the card carrier.

The objects, features and advantages of the present invention 10 will become apparent from the following detailed description when read in conjunction with the accompanying drawings and appended claims.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING

FIG. 1 is a back elevational view of a card package 15 constructed in accordance with the present invention having a single information card defined thereon.

FIG. 2 is a fragmented cross sectional view of the card package of FIG. 1.

FIG. 3 is an elevational view of the card package of the 20 present invention shown inserted into an envelope.

FIG. 4 is a block diagram of the method used in the present invention.

FIG. 5 is a back elevational view of a card package 25 constructed in accordance with the present invention having a pair of information cards defined thereon.

FIG. 6 is a perspective view of a card display package constructed in accordance with the present invention shown suspended from a display peg.

FIG. 7 is a back plan view of the card display package of the present invention.

FIG. 8 is a perspective view illustrating the card display package of the present invention being swiped through an encoding device.

FIG. 9 is a fragmented cross sectional view of the card display package of FIG. 6.

FIG. 10 is a block diagram schematically illustrating the method of manufacturing the card display package of FIG. 6.

DETAILED DESCRIPTION OF THE INVENTION

Referring now to the drawings, and more particularly to FIG. 1, a card package 10 constructed in accordance with the present invention is shown. The card package 10 includes a card carrier 12 and an information card 14, such as a membership card or an identification card. The information card 14 is integrally formed with and selectively detachable from the card carrier 12 such that a unitary card package is provided which is sized to be inserted into an envelope 16 (FIG. 3).

As mentioned above, a card carrier serves to hold the card so that the card is not able to shift about the envelope when the card is disposed in an envelope. In addition, the card carrier provides a space for displaying additional information. To this end, the card carrier 12 is provided with unique customer data which may

include a customer's name and mailing address 19. The card carrier 12 may also be provided with non-variable information which may include, for example, instructional information 20 to explain how to use the information card 14 and promotional information 22 related to the establishment distributing the information card 14. The card carrier 12 may also include special function elements 24 that are selectively detachable from the card carrier 12.

Similarly, the information card 14 is provided with unique customer data which may include, for example, the customer's name and mailing address 28, encoded information in the form of a bar code 30 and/or a magnetic strip 32. The customer data on the information card 14 corresponds to the customer data on the card carrier 12. The information card 14 is shown to be the size and shape of a conventional credit type card; however, it will be appreciated that the information card 14 can be formed into a variety of shapes and sizes.

FIG. 2 illustrates the card package 10 as being constructed of a sheet of material 34 laminated on each side thereof with a transparent plastic material 36, such as a polyester/polyethylene material. The sheet of material 34 is preferably a synthetic paper, such as teslin, but any durable material capable of receiving printed matter or encodable matter can be used. The plastic material 36 provides the sheet of material 34 with a protective cover to increase the life of the card package 10 and provides the card package 10 with a certain degree of rigidity which facilitates the handling of the card package 10. The plastic

material 36 is bonded to the sheet of material 34 in a conventional manner well known in the art.

FIG. 3 illustrates the card package 10 (depicted by dash lines) disposed in the envelope 16. The envelope 16 shown in FIG. 5 3 is a letter size envelope with a window 38 formed therein. The customer's name and mailing address 19 is disposed on the card carrier 12 such that the customer's name and mailing address 19 is viewable through the window 38 when the card package 10 is inserted into the envelope 16. By utilizing the customer's name and mailing 10 address 19 on the card carrier 12, the step of preparing a personalized envelope for mailing the card package 10 is eliminated.

Referring now to FIG. 4, the card package 10 is formed by first passing the sheet of material 34 through a non-variable 15 printing station 40 where the non-variable data of the card package 10, such as art work, any instructional information 20 and promotional information 22 is disposed on a first portion of the sheet of material 34 that will cooperate to define the card carrier 12 and on a second portion of the sheet of material 34 that will 20 cooperate to define the information card 14. It will be appreciated that data can be disposed on each side of the sheet of material 34. The sheet of material 34 is next passed through a variable printing station 42 where the unique customer data which may include the customer's name and mailing address 19 and 28 and 25 encoded data and bar codes 30 are disposed on the first and second portions of the sheet of material 34, respectively.

After the unique customer data has been disposed on the sheet of material 34, the sheet of material 34 is passed through a laminating station 44 where each side of the sheet of material 34 is laminated with the plastic material 36 in a conventional manner.

5 The laminated sheet of material 34 is then passed through a cutting die and perforating station 46 where the laminated sheet of material 34 is cut to the desired size, for example, to fit within a letter sized envelope in a flat condition. The laminated sheet of material 34 is perforated so as to define the information card 10 14 having the customer data on the second portion of the sheet of material 34 disposed thereon and so as to define the card carrier 12 having the customer data on the first portion of the sheet of material 34 disposed thereon. The sheet of material 34 is 15 perforated such that the information card 14 remains integrally formed with the card carrier 12 while being selectively detachable therefrom. The laminated sheet of material 34 may further be 20 perforated to define the special function elements 24.

With the card package 10 sized and shaped, the card package 10 is passed through a magnetic strip applicator and encoder station 20 48 to apply and encode the magnetic strip 32, if applicable.

To prepare the card package 10 for delivery to a customer, the card carrier 12 and the integrally formed information card 14 are passed through a mailing station 50 where the card carrier 12 and the integrally formed information card 14 are inserted into an 25 envelope, such as the envelope 16 illustrated in FIG. 3. The card carrier 12 and the integrally formed information card 14 are

inserted into the envelope 16 such that the customer's name and mailing address 19 located on the card carrier 12 is viewable through the window of the envelope 16 when the card carrier 12 and the information card 14 are inserted into the envelope 16. By 5 utilizing the envelope 16, the need to prepare a personalized envelope and match the correct envelope with the corresponding card package 10 is eliminated thereby reducing cost.

To utilize the information card 14, the customer merely removes the card package 10 from the envelope 16 and detaches the 10 information card 14 from the card carrier 12. The information card 14 can be easily carried in the customer's wallet or purse.

Referring now to FIG. 5, another embodiment of a card package 60 constructed in accordance with the present invention is illustrated. The card package 60 includes a card carrier 62 and a 15 pair of information cards 64 and 66. Each information card 64 and 66 is integrally formed with and selectively detachable from the card carrier 62 such that a unitary card package is provided which is sized to be inserted into an envelope, such as the envelope 16 depicted in FIG. 3.

Like the card carrier 12, the card carrier 62 is provided with 20 unique customer data which may include the customer's name and mailing address 69. The card carrier 62 may also be provided with non-variable data which may include instructional information 70 to explain how to use the information cards 64 and 66 and promotional 25 information 72 related to the establishment distributing the card.

The card carrier 62 may also include special function elements (not shown) which are similar to those illustrated in FIG. 1.

The information cards 64 and 66 are each provided with unique customer data which may include, for example, the customer's name and mailing address 74, encoded information in the form of a bar code 76 and/or a magnetic strip 78. The customer data on the information cards 64 and 66 corresponds to the customer data on the card carrier 62. The information cards 64 and 66 are shown to be the size and shape of a conventional credit type card; however, it will be appreciated that the information cards 64 and 66 can be formed into a variety of shapes and sizes.

Referring now to FIG. 6, a card display package 80 constructed in accordance with the present invention is shown suspended from a display peg 82. The card display package 80 includes a card carrier 84 and a card 86, such as a debit card. The card 86 is integrally formed with the card carrier 84 such that a unitary card display package is provided. By forming the card display package 80 as a unitary unit, the card 86 is easily and conveniently displayed as a retail item at a point of purchase without requiring any additional packaging. Furthermore, the card 86 is formed with the card carrier 84 so that the card 86 is selectively detachable from the card carrier 84 for subsequent use of the card 86.

The card display package 80 has a flat or planar configuration with the card 86 formed in a coplanar relationship with the card carrier 84. It will be appreciated by those of ordinary skill in the art that the flat configuration of the card display package 80

will result in reduced shipping and storage costs. The card carrier 84 is provided with a peg receiving aperture 88 near one end thereof to enable the debit card display package 80 to be conveniently displayed from the peg 82 or other similar device.

5 Referring now to FIG. 7, the card 86 is shown to be sized and shaped to resemble a conventional credit type card. That is, the card 86 is characterized as having a first side 89, a second side 90, a third side 91, and a fourth side 92. It will be appreciated by those of ordinary skill in the art, however, that the card 86
10 can be formed into a variety of shapes and sizes.

The card 86 is integrally formed with the card carrier 84 so that a portion 93 of the card 86 projects from the card carrier 84. More specifically, the card 86 is integrally formed with the card carrier 84 so that the first side 89 and a portion of the third and
15 fourth sides 91 and 92 of the card 86 border the card carrier 84, and the second side 90 and a remaining portion of the third and fourth sides 91 and 92 extend beyond the card carrier 84.

The card 86 is provided with an encodable magnetic strip 94 on at least one side thereof. The magnetic strip 94 is applied to the
20 card 86 so that the magnetic strip 94 extends transversely across the card 86 between the third side 91 and the fourth side 92 along the portion 93 of the card 86 projecting from the card carrier 84. It will be appreciated that the unique configuration of the card display package 80 enables the card 86 to be swiped through an
25 encoding device 95 to encode the magnetic strip 94, in a manner

illustrated in FIG. 8, without having to first detach the card 86 from the card carrier 84.

The card carrier 84 serves to support the card 86 so that the card 86 can be visibly displayed as a retail item. In addition, 5 the card carrier 84 provides space for displaying additional information, such as instructional and promotional information.

The card display package 80 is constructed in a manner similar to that described above in reference to the card package 10. That is, as illustrated in FIG. 9, the card display package 80 is 10 constructed of a sheet of material 96 laminated on each side thereof with a transparent plastic material 98, such as a polyester/polyethylene material. The sheet of material 96 is preferably a synthetic paper, such as teslin, but any durable material capable of receiving printed matter or encodable matter 15 can be used. The plastic material 98 provides the sheet of material 96 with a protective cover to increase the life of the card display package 80 and provides the card display package 80 with a certain degree of rigidity which facilitates the handling of the card display package 80. The plastic material 98 is bonded to 20 the sheet of material 96 in a conventional manner well known in the art.

Referring now to FIG. 10, it will be understood that the card display package 80 is also formed in a manner similar to that described above in reference to the card package 10. The card display package 80 is formed by first passing the sheet of material 96 through a non-variable printing station 100 to apply art work, 25

instructional data and promotional information on a first portion
of the sheet of material 96 that will define the card carrier 84
and on a second portion of the sheet of material 96 that will
define the card 86. It will be appreciated that data can be
5 disposed on each side of the sheet of material 96. The sheet of
material 96 is next passed through a variable printing station 102
where the variable data, which may include encoded data and bar
codes, is applied on the second portion of the sheet of material
96, respectively.

10 The sheet of material 96 is next passed through a laminating
station 104 where each side of the sheet of material 96 is
laminated with the plastic material 98 in a conventional manner.

15 The laminated sheet of material 96 is then passed through a
cutting die and perforating station 106 where the laminated sheet
of material 96 is cut to the desired size. The laminated sheet of
material 96 is perforated so as to define the card 86 with the
portion 93 of the card 86 projecting from the card carrier 84. The
sheet of material 96 is perforated so that the card 86 remains
20 integrally formed with the card carrier 84 while being selectively
detachable therefrom. The laminated sheet of material 96 is
further cut to form the peg receiving aperture 88.

With the card display package 80 sized and shaped, the card
display package 80 is passed through a magnetic strip applicator
and encoder station 108 to apply the magnetic strip 94 and encode
25 the magnetic strip 94, if applicable.

From the above description it is clear that the present invention is well adapted to carry out the objects and to attain the advantages mentioned herein as well as those inherent in the invention. While presently preferred embodiments of the invention have been described for purposes of this disclosure, it will be understood that numerous changes may be made which will readily suggest themselves to those skilled in the art and which are accomplished within the spirit of the invention disclosed and as defined in the appended claims.